

NATURAL RESOURCES CONSERVATION SERVICE
CONSERVATION PRACTICE SPECIFICATION
COMPOSTING FACILITY
(no.)
CODE 317

SCOPE

The work shall consist of furnishing material for and constructing a composting facility to the lines, grades, elevations, and dimensions as shown on the drawings and in accordance with these specifications.

SITE PREPARATION

The entire composting building area shall be cleared of all trees, brush, roots, sod, soil containing excess amounts of organic matter, and other objectionable materials and disposed of at sites away from the area of work.

Clearing and disposal methods shall be in accordance with applicable state and county laws with due regard to the safety of persons and property.

Foundation areas shall be kept free of standing water when fill or concrete is being placed. The area shall be shaped, graded, and filled, if necessary, to provide a slope away from building for drainage. Any fill material used shall be free from all sod, roots, stones over 6 inches in diameter, and other objectionable material. Fill material shall be compacted with at least one pass of construction equipment over entire surface of each layer placed. Layers should be less than 8 inches thick.

CONCRETE

Construction of reinforced concrete shall conform to the requirement of Conservation Construction Specification, HI-106 Concrete.

CONCRETE BLOCK

Construction of concrete block installations shall conform to the requirements of Conservation Construction Specifications, HI-118- Concrete Block.

STEEL REINFORCEMENT

Reinforcement steel and welded wire fabric shall be new, clean, and free of oil, grease, paints, and flaky rust. Steel bars for concrete reinforcement shall be deformed billet-steel bars, conforming to ASTM Specification A615, Grade 40 to 60. Welded wire fabric shall conform to the requirements of ASTM Specification A-185.

Reinforcement steel and welded wire fabric shall be suspended off the ground and other concrete contact surfaces by using scotches of concrete bricks, concrete blocks or pieces of blocks, wire stands, or other approved method prior to the placing of concrete. Scotches of stones, wood materials, earth, earth clods, clay bricks, scrap metal and other unapproved materials are not acceptable. During concrete placement, welded wire reinforcement shall be pulled into the middle of the concrete. Welded wire fabric shall be spliced by overlapping a minimum of one full mesh plus 2 inches. A plastic sheet with a minimum thickness of 6 millimeters shall be placed below the reinforcement steel.

WOOD AND TIMBER

All material shall be full section sound wood, free from decay. Good quality, used, pressure-treated lumber may be utilized for walls. All timber beams shall be dense, structural quality, and graded in accordance with the Standard Grading Rules.

All structural timber, posts, poles and lumber, except roof girders, rafters, purlins, trusses, knee braces, and attic bracing shall be pressure treated. Treated timber and lumber shall be impregnated with the specified type and quantity of preservative.

Roof truss design and support shall be in accordance with local government codes and follow manufacturer's standard dimensions. Roof truss shall be securely attached to the support posts.

VEGETATION

A protective cover of vegetation shall be established on the disturbed area. The planting of vegetative materials shall conform to the requirements of Practice Specification 342- Critical Area Planting.

BASIS OF ACCEPTANCE. The acceptability of this practice shall be determined by inspections to insure compliance with all the provisions of this specification and to the drawings.

WORKMANSHIP. All construction shall be performed in a workmanlike manner, and the job site shall have a neat appearance when finished.

All disturbed areas not graveled or paved will be vegetated to control erosion.

CONSTRUCTION OPERATIONS

Construction operations shall be carried out in such a manner and sequence that erosion and air and water pollution are minimized and held within legal limits.

The owner, operator, contractor or other persons will conduct all work and operations in accordance with proper safety codes for the type of construction being performed with due regards to the safety of all persons and property.

SAFETY

Landowners or operators, sponsoring organizations and contractors shall be liable for damage to utilities and damage resulting from disruption of service caused by construction activities. The Natural Resources Conservation Service makes no representation on the existence or nonexistence of any utilities. Absence of utilities on the drawings is not assurance that no utilities are present at the site.

It is the responsibility of the landowner or operator to determine if there are buried or overhead utilities in the vicinity of the proposed work. They should take proper procedures to insure that the utilities shall not be jeopardized and that equipment operators and others will not be injured during construction operations.